ABSTRACT

In order to improve a compressor for refrigerant, comprising an outer housing, a scroll compressor arranged in the outer housing and having a first compressor member arranged stationarily in the outer housing and a second compressor member which is movable relative to the first compressor member, the compressor members each having a base and first and second scroll ribs, respectively, which rise above the respective base and engage in one another such that the second compressor member is movable relative to the first compressor member on an orbital path about a central axis for the purpose of compressing the refrigerant, a drive unit for the second compressor member having an eccentric drive, a drive shaft, a drive motor arranged in a motor housing and having drawn-in refrigerant flowing around it as well as a bearing unit for the drive shaft which comprises a first bearing member connected to the outer housing, in such a manner that the refrigerant drawn in by the scroll compressor is free from lubricating oil to as great an extent as possible it is suggested that the refrigerant flow through an oil separator, which is arranged in the outer housing between this and the drive unit, after flowing around the drive motor and prior to entering the scroll compressor.